

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

haynes|boone

Are you changing?
www.haynesboone.com

HAYNES AND BOONE, LLP
Fax Transmittal

DATE: December 3, 2003

Total Pages Including Cover: 15

TO: Office of Initial Patent
Examination's Filing Receipt
Corrections
Fax #: 703-746-9195

Company: United States Patent and
Trademark Office

Phone #:

Client/Matter #: 26333.925

FROM: Warren B. Kice

Haynes and Boone, LLP
901 Main Street, Suite 3100
Dallas, Texas 75202-3789

I.D. #: 8197

Direct Phone #: 214-651-5634

IP Fax #: 214-200-0853

Main Phone #: (214) 651-5000

E-Mail: Warren.Kice@haynesboone.com

Main Fax #: (214) 651-5940

Should you have any problems with this transmittal, please call: 214-651-5416

MESSAGE:

Re: US Patent Application No. 10/619,813
Filed: July 15, 2003

Attached: Request to Correct Filing Receipt and supporting documents

Confidentiality Note: The information contained in this facsimile message is privileged and confidential and is intended only for the use of the addressee. The term "privileged and confidential" includes, without limitation, attorney-client privileged communications, attorney work product, trade secrets, and any other proprietary information. Nothing in this facsimile is intended by the attorney or the client to constitute a waiver of the confidentiality of this message. If the reader of this message is not the intended recipient, or employee/agent of the intended recipient, you are hereby notified that any duplication, or distribution of this communication is unauthorized. If you have received this message in error, please notify us by telephone immediately so that we can arrange for the return of the original documents to us at no cost to you.

Attorney Docket No. 26333.925
Customer No. 000027683

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:
Robert Bennitt et al.

Serial No.: 10/619,831

Filed: July 15, 2003

Entitled:
GAS COMPRESSOR AND METHOD WITH AN
IMPROVED INLET AND DISCHARGE VALVE
ARRANGEMENT

.....

Group Art Unit: 3745

Examiner: unknown

Confirmation No.: 9960

REQUEST TO CORRECT FILING RECEIPT

Via Facsimile No. 703-746-9195
Office of Initial Patent Examination's Filing Receipt Corrections
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Attached is a copy of the official *Filing Receipt* received from the U.S. Patent and Trademark Office (PTO) in the above-identified patent application in which Issuance of a corrected filing receipt is respectfully requested.

The following errors are noted:

1. The title as listed "COMPRESSOR AND METHOD WITH AN IMPROVED INLET AND DISCHARGE VALVE ARRANGEMENT" is printed in error. The corrected title should be "GAS COMPRESSOR AND METHOD WITH AN IMPROVED INLET AND DISCHARGE VALVE ARRANGEMENT"
2. Under "Applicant(s)", inventor Dale George should read Dale M. George
3. Under "Applicant(s)", inventor Tim Miller should read Timothy M. Miller

2. Under "Applicant(s)", inventor Dale George should read Dale M. George
3. Under "Applicant(s)", inventor Tim Miller should read Timothy M. Miller

3. Under "Applicant(s)", inventor Tim Miller should read Timothy M. Miller

A copy of the *Initial Information Data Sheet* as originally filed on July 15, 2003 is enclosed for reference to show the correct listing of the names of the inventors. Also, enclosed is a copy of the first page of the application as filed on July 15, 2003 to show the correct title and a *Supplemental Initial Information Data Sheet* to show the correction of the typographical error of the title.

Correction of these errors are respectfully requested.

Attorney Docket No. 26333.925
Customer No. 000027683

The Commission is hereby authorized to charge any additional fees or to credit any overpayments to Deposit Account No. 08-1394.

Respectfully submitted,

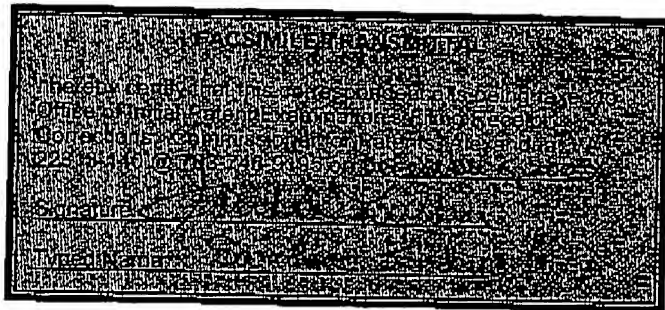


Warren B. Kice
Registration No. 22,732

Date:

12/4/3

HAYNES AND BOONE, LLP
901 Main Street, Suite 3100
Dallas, Texas 75202-3789
Telephone: 214/651-5634
IP Facsimile: 214/200-0853
File: 26333.925





UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/619,831	07/15/2003	3745	840	26333.925	6	25	2

000027683
HAYNES AND BOONE, LLP
901 MAIN STREET, SUITE 3100
DALLAS, TX 75202

CONFIRMATION NO. 9960

FILING RECEIPT

OC000000011036779

Date Mailed: 10/15/2003

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Robert Bennitt, Painted Post, NY;
~~Dele George~~, Corning, NY; **DALE M. George**
 Derek Woollatt, Campbell, NY;
~~Tim Miller~~, Pine City, NY; **TIMOTHY M. MILLER**
 Charles Seavey, Painted Post, NY;
 Steve Chaykosky, Athens, PA;
 Jim Crimmer, Corning, NY;

OCT 17 2003
HAYNES AND BOONE LLP

Assignment For Published Patent Application

Dresser-Rand Company, Olean, NY;

Domestic Priority data as claimed by applicant

This application is a CON of 10/047,385 01/14/2002

Foreign Applications

If Required, Foreign Filing License Granted: 10/14/2003

Projected Publication Date: 01/22/2004

Non-Publication Request: No

Early Publication Request: No

Docketed By: B Date: 10-20-03
 Next Action: 1-22-04 - Pub Date
 Next Action: 9-15-04 - Awtg CRT
 Route to: WBK Office:

Title

Gas Compressor and method with an improved inlet and discharge valve arrangement

Preliminary Class

416

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

Initial Information Data Sheet

Applicant Information**COPY**

Applicant Authority Type:: Inventor
Applicant One Given Name:: Robert
Family Name:: BENNITT
Postal Address Line One:: 24 Seneca Trace
City:: Painted Post
State or Province:: NY
Country:: USA
Postal or Zip Code:: 14870
Citizenship Country:: USA

Applicant Authority Type:: Inventor
Applicant Two Given Name:: Dale M.
Family Name:: GEORGE
Postal Address Line One:: 91 W. 6th Street
City:: Corning
State or Province:: NY
Country:: USA
Postal or Zip Code:: 14830
Citizenship Country:: USA

Applicant Authority Type:: Inventor
Applicant Three Given Name:: Derek
Family Name:: WOOLLATT
Postal Address Line One:: 7678 Forth Dollar Road, Lot No. 47
City:: Campbell
State or Province:: NY
Country:: USA
Postal or Zip Code:: 14821
Citizenship Country:: United Kingdom

Initial Information Data Sheet

Applicant Authority Type:: Inventor
Applicant Four Given Name:: Timothy M.
Family Name:: MILLER
Postal Address Line One:: 181 Hendy Creek Road
City:: Pine City
State or Province:: NY
Country:: USA
Postal or Zip Code:: 14871
Citizenship Country:: USA

COPY

Applicant Authority Type:: Inventor
Applicant Five Given Name:: Charles
Family Name:: SEAVEY
Postal Address Line One:: 27 Willow Drive
City:: Painted Post
State or Province:: NY
Country:: USA
Postal or Zip Code:: 14870
Citizenship Country:: USA

Applicant Authority Type:: Inventor
Applicant Six Given Name:: Steve
Family Name:: CHAYKOSKY
Postal Address Line One:: 622 S. Main Street
City:: Athens
State or Province:: PA
Country:: USA
Postal or Zip Code:: 18810
Citizenship Country:: USA

Initial Information Data Sheet

Applicant Authority Type:: Inventor
Applicant Seven Given Name:: Jim
Family Name:: CRIMMER
Postal Address Line One:: 2255 Ellison Road
City:: Corning
State or Province:: NY
Country:: USA
Postal or Zip Code:: 14830
Citizenship Country:: USA

COPY**Correspondence Information**

Correspondence Customer Number:: 000027683

Application Information

Title Line One:: COMPRESSOR AND METHOD WITH
Title Line Two:: AN IMPROVED INLET AND DISCHARGE
Title Line Three:: VALVE ARRANGEMENT
Total Drawing Sheets:: 6
Formal Drawings?: Yes
Application Type:: Continuation
Docket Number:: 26333.925
Secrecy Order in Parent Appl?: No

Representative Information

Registration Number:: 22,732

Initial Information Data Sheet

Domestic Priority Information

This application is a::

Continuation of

>Application One::

10/047,385

Filing Date::

January 14, 2002

COPY**Assignee Information**

Assignee Name::

Dresser-Rand Company

Street of mailing address::

Paul Clark Drive

City::

Olean

State or Province::

NY

Country of mailing address::

USA

Postal or Zip Code::

14760

COPY

PATENT
Attorney Docket No.: 26333.11
(WD-99-6)

EXPRESS MAIL LABEL NO.: <u>EL 828067738US</u>	DATE OF DEPOSIT: <u>January 14, 2002</u>
I hereby certify that this paper and fee are being deposited with the United States Postal Service Express Mail Post Office to Addressee service under 37 CFR §1.10 on the date indicated above and is addressed to the Assistant Commissioner of Patents, Washington, D.C. 20231.	
<u>Sandra Kubin</u> NAME OF PERSON MAILING PAPER AND FEE	<u>Sandra Kubin</u> SIGNATURE OF PERSON MAILING PAPER AND FEE

GAS COMPRESSOR AND METHOD WITH AN IMPROVED INLET AND DISCHARGE VALVE ARRANGEMENT

Background

This invention relates, in general, to a fluid compressor, and, more particularly, to a compressor having an improved inlet valve arrangement.

Most current reciprocating compressor cylinders utilize a piston that reciprocates in a compressor cylinder formed in a frame with outer heads used to close off the ends of the cylinder. Inlet and discharge "check type" valves are provided for controlling the intake into, and the discharge from, the cylinder, and the reciprocating piston compresses the fluid internally within the compressor cylinder confines. The valves can be mounted tangentially to the bore of the cylinder or in the heads at a variety of angles to the axis of the piston.

However half the available area is usually allocated to the inlet valves and porting, and the other half to the discharge valves and porting. Thus, only a relatively low number of inlet valves can be used at each end of the compressor. This, of course, limits the inlet valve area and therefore the compression efficiency of the compressor.

Brief Description of the Drawings

Fig. 1 is a sectional view of the housing and heads of a fluid compressor